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PATENT, TRADEMARK, COPYRIGHT AND RELATED INTELLECTUAL PROPERTY LAW

September 10, 2004

Mail Stop Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

10,619,269 Certificate
SEP 20 2004
of Correction

Re: U.S. Patent No.: 6,779,403 B2
Issued: August 24, 2004
Inventor: Hiroyuki Baba et al.
Our Docket: 33627US1

Sir:

A Certificate of Correction under 35 U.S.C. 254 is hereby requested to correct Patent Office printing errors in the above-identified patent. Enclosed herewith is a proposed Certificate of Correction (Form No. PTO-1050) for consideration along with appropriate documentation supporting the request for correction.

It is requested that the Certificate of Correction be completed and mailed at an early date to the undersigned attorney of record. The proposed corrections are obvious ones and do not in any way change the sense of the application.

We understand that a check is not required since the errors were on the part of the Patent and Trademark Office in printing the patent.

Very truly yours,

Michael W. Garvey, Reg. No. 35878

MWG:vln
Enclosures

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

PTO/SB/44 (07-03)
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.	:	6,779,403 B2	PAGE 1 OF 1
DATED	:	August 24, 2004	
INVENTOR(S)	:	Hiroyuki Baba et al.	

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 44, line 9, after "(mm) measured between" please delete "the".

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PATENT NO. 6,779,403 B2

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SEP 2 1 2004

including a first electrode provided on said second surface of said first piezoelectric element, and a second electrode provided on said second surface of said second piezoelectric element, ~~and a second electrode provided on said second surface of said second piezoelectric element,~~ and said oscillation plate and said first and second piezoelectric elements being integrally oscillatable within a range of effective oscillation frequencies; and

at least one terminal pin extending through said cover assembly and terminating at an ~~the~~ exterior of said cover assembly, said terminal pin electrically connected with said first and second electrodes;

whereby said oscillation plate and said first and second piezoelectric elements are integrally oscillatable in two different modes consisting of: a first oscillation mode where said oscillation plate is irregularly deformed to have said peripheral portion oscillated with a single vector in said oscillation direction of said oscillation plate when said oscillation plate is oscillated with respect to said fixed case member at a resonance frequency f_0; and a second oscillation mode where said oscillation plate is irregularly deformed to have two different half parts of said peripheral portion oscillated with ~~their~~ respective different vectors opposite to each other in said oscillation direction of said oscillation plate when said oscillation plate is oscillated with respect to said fixed case member at a noise frequency f_01, and said resonance frequency f_0 and said noise frequency f_01 are out of said range of effective oscillation frequencies.

Claim 16 (Currently amended): An acceleration sensor for detecting an acceleration as set forth in claim 15, in which said supporting portion of said fixed case member has a cylindrical section and a forward tapered section

integrally formed with said cylindrical section and in the form of a truncated cone shape, said forward tapered section having a top surface securely held in contact with said second surface of said oscillation plate and having an outer end edge in axially alignment with an ~~the~~ outer peripheral end of said peripheral portion of said oscillation plate, said outer end edge having a diameter ϕ C_1 (mm), and said oscillation plate having an effective oscillation radius R_1 (mm) measured between ~~the~~ inner and outer ends of said peripheral portion of said oscillation plate;

whereby said oscillation plate and said first and second piezoelectric element are integrally oscillatable in said first and second oscillation modes with ϕ C_1 (mm) / R_1 (mm) and f_01 / f_0 given in the following equations.

ϕ C_1 (mm) / R_1 (mm) $\geq$ 0.92 and f_01 / f_0 $\geq$ 0.52

Claim 17 (Currently amended): An acceleration sensor for detecting an acceleration as set forth in any one of claims 15 and 16, further comprising ~~in which said first piezoelectric element having~~ a third electrode provided on said first surface of said first piezoelectric element, and ~~second piezoelectric element having~~ a fourth electrode provided on said first ~~second~~ surface of said second ~~first~~ piezoelectric element, and said fixed case member and said oscillation plate are each made of an electroconductive material and to ensure that said third electrode of first piezoelectric element and said fourth electrode of said second piezoelectric element are electrically connected with said oscillation plate and said fixed case member.